

- * SWBAT differentiate between mass, weight, and volume
- * SWBAT observe the tendencies of objects

Sep 6-2:31 PM

Welcome!!!

SECA Physics
Thursday 26 September 2013

- * Pick up: **H. Leslie Grebe**
 - worksheet
 - slip of paper (for later)

Centering...

- New people?
- * Announcements
- * Make-up

Opening Activity:

What's the difference between **mass** & **weight**???

"How much
stuff"

How hard it
is to push/pull.

FORCE DUE TO GRAVITY



Sep 7-7:04 AM

What's a support force?



An object at rest on a surface has a SUPPORT FORCE that balances out the weight.

Sep 26-7:50 AM

Mass:


"measure of inertia"


Just a number (size)

Kilograms (kg)

SAME on moon

Weight:

" force due to gravity"

Vector (size & direction) 

Newtons (N) or pounds

Different on moon

3-1:

Sep 21-2:13 PM

NEWTON'S 1ST LAW:

- MATTER** — Objects at rest tend to stay at rest.
Objects in motion tend to stay in motion.

NO
NET
FORCE

MOVING
OR
STILL

INERTIA is the name for the tendency of matter to resist changes.

- Airplane peanuts
- Deck of cards in the car
- Tossing a ball on a train

Horizontal: sideways / side to side

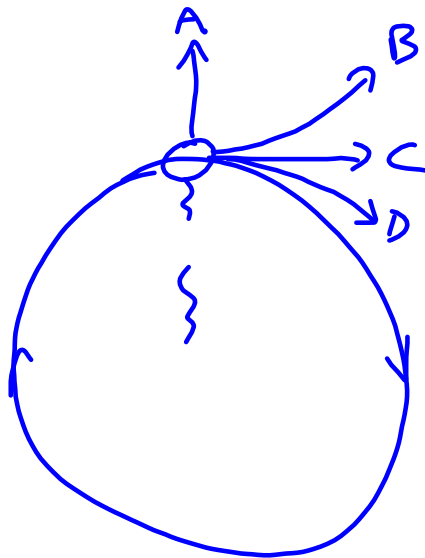
directly related: if one goes up, so does the other

inversely related: if one goes up, the other goes down

What about Equilibrium???

— NO NET FORCE

Sep 20-1:38 PM



Sep 26-8:36 AM

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. _____ is related to the gravitational force acting on an object.

- A. Mass
- ☒ B. Weight
- C. Volume

2. An astronaut in outer space away from gravitational and frictional forces throws a rock. The rock will

- A. Gradually slow to a stop
- ☒ B. Continue moving in a straight line at constant speed
- C. None of the above

3. If Leslie is in a vehicle moving in a straight line at a constant speed and drops a pencil, it will land

- A. a ways behind her
- ☒ B. at her feet below her hand
- C. a ways in front of her

Sep 14-7:28 AM